Algebra I Summer Assignment 2021

Laura.Peeler@sdsgriffin.org

Dear Rising Algebra I students and parents,

One of the major keys to success in math is *review and practice*. Your summer math review will be topics assigned on the IXL Math website. IXL is designed to help you learn and review at your own pace. The website is adaptive and will adjust to your demonstrated ability level. You can work for a while, and if you need to stop, you won't have to start over. IXL will record your progress.

The following steps will help you get started on any device with internet accessibility:
1. Go to https://www.IXL.com
2. Enter your IXL username and password in the upper right corner and click the right arrow button to sign in. Note: If you are new to SDS, your username and password will be emailed to you by IXL. When you login, don't forget the @sds at the end of your username. Email lacy.hines@sdsgriffin.org if you have technical issues or if you need a password.
3. Scroll down and click on 7th grade math skills.
4. Complete the skills listed on the back of this sheet.

You must attain a SmartScore of 85 for <u>each assigned topic.</u> Once you reach 85 on a topic, you get credit for the entire assignment-no need to go all the way to a score of 100 unless you just want the extra practice.

BE CAREFUL!

Sometimes the IXL website updates their topic lists during the summer. They will keep the name of the topic but might change the number associated with it. Please be sure to complete the assignments by NAME, even if the number doesn't match up. Be sure that you are in the correct grade level too (7th). If the topic is completely removed, then you will not be responsible for that topic.

Grading:
25 assigned topics (4 points each)
3 extra credit topics (2 points each)

Your topics are listed under "7th Grade math topics"
(Remember that this is review of what you learned in in the grade you just completed and preparation for work in the upcoming school year.)

Seventh grade math topics: REQUIRED
- 7-A.9: Scientific Notation
- 7-H.9: Add and subtract positive and negative decimals
- 7-H.10: Add and subtract positive and negative fractions
- 7-H.15: Multiply and divide positive and negative decimals
- 7-H.16: Multiply and divide positive and negative fractions
- 7-I.7: Evaluate numerical expressions involving exponents
- 7-J.13: Solve proportions
- 7-J.18: Constant rate of change
- 7-L.2: Convert between percents, fractions, and decimals
- 7-M.6: Percent of a number: tax, discount, and more
- 7-S.1: Which x satisfies an equation?
- 7-S.2: Write an equation from words
- 7-T.1: Solutions to inequalities
- 7-T.8: Graph solutions to two-step inequalities
- 7-U.1: Does (x,y) satisfy the equation?
- 7-V.1: Find the slope from a graph
- 7-V.2: Find the slope from two points
- 7-W.9: Find missing angles in triangles
- 7-W.17: Find measure of complementary, supplementary, vertical and adjacent angles
- 7-Y.3: Pythagorean Theorem word problems
- 7-AA.5: Area of circles
- 7-AA.6: Circumference of circles
- 7-BB.18: Make predictions with scatter plots
- 7-DD.7: Compound events: find the number of outcomes
- 7-DD.9: Probability of compound events

Seventh grade math topics: Optional Extra Credit
- 7-L.9: Percent of change
- 7-AA.11: Volume of cylinders
- 7-AA.14: Surface area of cylinders

All of the assigned topics must be completed by September 1, 2021.

The summer assignment grade will amount to a quiz grade, and it will count toward your first quarter average.